

THE ROCKEFELLER INSTITUTE FOR MEDICAL RESEARCH

66TH STREET AND YORK AVENUE
NEW YORK 21, N.Y.

April 20, 1953

Dear Josh:

I have been unable to find for you a copy of the pertinent issue of the New Republic. It was off of the stands by the time I returned. However a complete copy of the McCarthy report is available (photo offset) from National Headquarters A.D.A. Washington, D.C. just for the request.

The resistant and sensitive lines of mice are in their fortth generation of brother sister mating. The details on the Swiss mice which we use are more obscure. They did come from Switzerland but their handling there is unknown. About 20 years ago seven females and two males were brought to this country and started the now tremendous colonies throughout ~~the~~ the country. The mice are albino and ~~intercrossing~~ mating within the line does not reveal any color genes so some selection was probably exercised in this respect. Our stock is kept at 400 females and 100 males. The mice are all sensitive to virulent organisms so there is no heterogeneity at this level contra wild mice. Have started a small program of inbreeding to see if there is any genetic heterogeneity left with regard to the double strain infection test.

The protection effect of avirulent cells is not anything as simple as V. As I mentioned the protection will overlap an attack by enteridit^{is} and cholerae-suis. Schneider sent the cultures to Boyd who being surprised at their difference in virulence and finding no serological difference sent them in turn to Joan Taylor. She found no detectible V in either strain.

As to culture origin-- S. gallinarum SW-558 is Edwards # 30953. S.t^m III is SW-547 and Edwards #191. --- There never was any LT-17. I have the original of the lost LT-18 #100 and shall send it to you.

SW-950 H- has the lowest phage to FA ratio I've yet seen, almost $10^5/1$. I have now obtained a lysogenic derivative which if it doesn't suffer much should be most useful in premature lysis experiments.

Let me thank you and Esther again for your hospitality. So far I have not come down with a cold and the experiment is over as Stevie came down with one yesterday and another source for infection is now available.

Sincerely,

Horton

P.S. Saw a copy of Andrews' satire on sex in bacteria and had a real good laugh.